PTO/SB/05 (03-01)

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Approved for use through 10/31/2002. OMB 0651-0091

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. First Inventor		4847	ဝ	
		Steven J. Boege et al.	, T	
Title	BIOLOGICAL M		0.21 0.21 1	
Express Mail Label No.		EL 897 623 087 US	9/	

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Commissioner for Patents Mail Stop Patent Application Alexandria, VA 22313-1450				
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)				
Applicant claims small entity status. See 37 CFR 1.27.	Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)				
3. Specification [Total Pages 39] [(preferred arrangement set forth below)	a Computer Readable Copy (CRF) b. Specification Sequence Listing on:				
 Descriptive title of the Invention Cross References to Related Applications Statement Regarding Fed sponsored R & D 	i. CD-ROM or CD-R (2 copies); or ii. paper				
 Reference to sequence listing, a table, or a computer program listing appendix Background of the Invention 	c. Statement verifying identity of above copies				
 Brief Summary of the Invention Brief Description of the Drawings (if filed) 	ACCOMPANYING APPLICATION PARTS				
 Detailed Description Claim(s) 	Assignment Papers (cover sheet & document(s))				
- Abstract of the Disclosure 4. Drawing(s) (35 U.S.C. 113) [Total Sheets 11]	10. 37 C.F.R. §3.73(b) Statement Power of Attorney (when there is an assignee)				
T-(10	11. English Translation Document (if applicable)				
5. Oath or Declaration [Total Pages 3] a Executed (original or copy)	12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations				
b. Copy from a prior application (37 C.F.R. § 1.63(d))	13. Preliminary Amendment				
(for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S)	14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)				
Signed statement attached deleting inventor(s) named in the prior application,	15. Certified copy of Priority Document(s) (if foreign priority is claimed)				
see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).	16. Certified Nonpublication Request under 35 U.S.C. 122				
6. Application Data Sheet. See 37 CFR 1.76.	(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.				
	17. Other:				
 If a CONTINUING APPLICATION, check appropriate box, and or in an Application Data Sheet under 37 CFR 1.76: 	supply the requisite information below and in a preliminary amendment,				
Continuation Divisional Continuation-in-part (CIP)	of prior application No.:filed				
Prior application information: Examiner	Group Art Unit:				
under Box 5b, is considered a part of the disclosure of the accompanying	the prior application, from which a copy of the oath or declaration is supplied continuation or divisional application and is hereby incorporated by				
reference. The incorporation can only be relied upon when a portion has	peen inadvertently omitted from the submitted application parts.				
Customer Number or Bar Code Label Customer Number or Bar Code Label Customer Number or Bar Code Label					
(Insert Customer No. or A	ttach bar code label here)				
	N. Makrogiannis				
	lied Biosystems ncoln Centre Drive				
City Foster City State Califo	rnia Zip Code 94404				
Country US Telephone 650-57	70-6667 Fax 650-638-6677				
Name (Print/Type) Phil N. Wakragiannis	Registration No. (Attorney/Agent) 47,766				
Signature Lagrang (Date 6/23/83				

PTO/SB/17 (11-00)
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FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$) 1,516.00

Complete if Known				
Application Number	To be assigned	-		
Filing Date	June 23, 2003 (herewith)	,		
First Named Inventor	Steven J. Boege et al	,		
Examiner Name	To be assigned			
Group Art Unit	To be assigned			
Attorney Docket No.	4847			

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)			
1. The Commissioner is hereby authorized to charge	3. ADDITIONAL FEES			
indicated fees and credit any overpayment to: Deposit	LargeEntity Small Entity Fee Fee Fee Fee Fee Fee Description	Fee Paid		
Account Number 01-2213	Code (\$) Code (\$)			
Deposit Account	1051 130 2051 65 Surcharge – late filing fee or oath			
Name Applied Biosystems	1052 50 2052 25 Surcharge – late provisional filing fee or cover sheet.			
☑ . Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17	1053 130 1053 130 Non-English specification	-		
Applicant claims small entity status.	1812 2520 1812 2520 For filing a request for ex parte reexamination			
See 37 CFR 1.27	1804 920* 1804 920* Requesting publication of SIR prior to Examiner action			
2. ☐ Payment Enclosed: ☐ Check ☐ Credit card ☐ Money ☐ Other	1805 1840* 1805 1840* Requesting publication of SIR after Examiner action			
Order	1251 110 2251 55 Extension for reply within first month			
FEE CALCULATION 1. BASIC FILING FEE	1252 410 2252 205 Extension for reply within second month			
•	1253 930 2253 465 Extension for reply within third month			
Large Entity Small Entity Fee Fee Fee Fee Fee Description Fee Paid	1254 1450 2254 725 Extension for reply within fourth month			
Code (\$) Code (\$) 1001 750 2001 375 Utility filing fee \$750.00	1255 1970 2255 985 Extension for reply within fifth month			
1002 330 2002 165 Design filing fee	1401 320 2401 160 Notice of Appeal			
1003 520 2003 260 Plant filing fee	1402 320 2402 160 Filing a brief in support of an appeal			
	1403 280 2403 140 Request for oral hearing			
	1451 1510 1451 1510 Petition to institute a public use proceeding			
1005 160 2005 80 Provisional filing fee (\$) 750.00	1452 110 2452 55 Petition to revive – unavoidable			
SUBTOTAL (1) (3) 730.00	1453 1300 2453 650 Petition to revive – unintentional			
2. EXTRA CLAIM FEES	1501 1300 2501 650 Utility issue fee (or reissue)			
Fee from Extra Claims below Fee Paid	1502 470 2502 235 Design issue fee			
Total Claims 37 -20*= 17 X 18 306.00	1503 630 2503 315 Plant issue fee			
Independent 8 -3 ** = 5 X 84 420.00	1460 130 1460 130 Petitions to the Commissioner			
Multiple Dependent 0	1807 50 1807 50 Petitions related to provisional applications	-		
**or number previously paid, if greater, For Reissues, see below	1806 180 1806 180 Submission of Information Disclosure Strnt			
Large Entity Small Entity Fee Fee Fee Fee Description	8021 40 8021 40 Recording each patent assignment per property (times number of properties)	40.00		
Code (\$) Code (\$)	1809 750 2809 375 Filing a submission after final rejection (37 CFR 1.129(a))			
1202	1810 750 2810 375 For each additional invention to be examined (37 CFR 1.129(b))			
1203 280 2203 140 Multiple dependent claim, if not paid	1801 750 2801 375 Request for Continued Examination (RCE)			
1204 84 2204 42 ** Reissue independent claims over original patent	1802 900 1802 900 Request for expedited examination			
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	of a design application	<u> </u>		
and one original parent	Other fee (specify)			
SUBTOTAL (2) (\$) 726.00	*Reduced by Basic Filing Fee Paid SUBTOTAL (3)	40.00		
SUBMITTED BY	Complete (if ap	nlicable)		

SUBMITTED BY	////			Compl	ete (if applicable)
Name (Print/Type)	Phil N. Makraguannis	Registration No. (Attorney/Agent)	47,766	Telephone	650-554-2164
Signature	thing.	1h1		Date	6/23/03

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